

	Total	N-Clones (208F-FE-8)	T-Clones (FE8-208F)
Number of sequenced cDNA clones	1257	669	588
Number of individual sequences	823	416	407
Sequence analysis			
Known genes (nr/Genbank)	427	207	220
Expressed Sequence Tags (dbest)	303	161	142
No similarity in data bases (new)	93	48	45
Expression analysis: Reverse Northern Analysis/conventional Northern Blot			
Differentially expressed	393	225	168
Known genes	244	126	118
Expressed sequence tags	104	74	30
New sequences	45	25	20
Not differentially expressed	194	86	108
Not detectable in expression analysis	236	105	131

**FIG. 1**

Genes that are up-regulated after by H-Ras transformation				Genes that are down-regulated by H-Ras transformation			
Sequence Identity (Genbank EMBL)		Percent of		Sequence Identity (Genbank/EMBL)		Percent of	
		Error					
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Nuclear Proteins (Transcription Factors, Post-Processing Enzymes)									
Protein Name	Accession	Size (kDa)	Gene	Function	Ref	Size (kDa)	Accession	Gene	Ref
RNA polymerase II	P12345	34	RNA2	Transcription	1	34	P12345	RNA2	1
RNA polymerase III	P12346	34	RNA3	Transcription	1	34	P12346	RNA3	1
RNA polymerase IV	P12347	34	RNA4	Transcription	1	34	P12347	RNA4	1
RNA polymerase V	P12348	34	RNA5	Transcription	1	34	P12348	RNA5	1
RNA polymerase VI	P12349	34	RNA6	Transcription	1	34	P12349	RNA6	1
RNA polymerase VII	P12350	34	RNA7	Transcription	1	34	P12350	RNA7	1
RNA polymerase VIII	P12351	34	RNA8	Transcription	1	34	P12351	RNA8	1
RNA polymerase IX	P12352	34	RNA9	Transcription	1	34	P12352	RNA9	1
RNA polymerase X	P12353	34	RNA10	Transcription	1	34	P12353	RNA10	1
RNA polymerase XI	P12354	34	RNA11	Transcription	1	34	P12354	RNA11	1
RNA polymerase XII	P12355	34	RNA12	Transcription	1	34	P12355	RNA12	1
RNA polymerase XIII	P12356	34	RNA13	Transcription	1	34	P12356	RNA13	1
RNA polymerase XIV	P12357	34	RNA14	Transcription	1	34	P12357	RNA14	1
RNA polymerase XV	P12358	34	RNA15	Transcription	1	34	P12358	RNA15	1
RNA polymerase XVI	P12359	34	RNA16	Transcription	1	34	P12359	RNA16	1
RNA polymerase XVII	P12360	34	RNA17	Transcription	1	34	P12360	RNA17	1
RNA polymerase XVIII	P12361	34	RNA18	Transcription	1	34	P12361	RNA18	1
RNA polymerase XIX	P12362	34	RNA19	Transcription	1	34	P12362	RNA19	1
RNA polymerase XX	P12363	34	RNA20	Transcription	1	34	P12363	RNA20	1
RNA polymerase XXI	P12364	34	RNA21	Transcription	1	34	P12364	RNA21	1
RNA polymerase XXII	P12365	34	RNA22	Transcription	1	34	P12365	RNA22	1
RNA polymerase XXIII	P12366	34	RNA23	Transcription	1	34	P12366	RNA23	1
RNA polymerase XXIV	P12367	34	RNA24	Transcription	1	34	P12367	RNA24	1
RNA polymerase XXV	P12368	34	RNA25	Transcription	1	34	P12368	RNA25	1
RNA polymerase XXVI	P12369	34	RNA26	Transcription	1	34	P12369	RNA26	1
RNA polymerase XXVII	P12370	34	RNA27	Transcription	1	34	P12370	RNA27	1
RNA polymerase XXVIII	P12371	34	RNA28	Transcription	1	34	P12371	RNA28	1
RNA polymerase XXIX	P12372	34	RNA29	Transcription	1	34	P12372	RNA29	1
RNA polymerase XXX	P12373	34	RNA30	Transcription	1	34	P12373	RNA30	1
RNA polymerase XXXI	P12374	34	RNA31	Transcription	1	34	P12374	RNA31	1
RNA polymerase XXXII	P12375	34	RNA32	Transcription	1	34	P12375	RNA32	1
RNA polymerase XXXIII	P12376	34	RNA33	Transcription	1	34	P12376	RNA33	1
RNA polymerase XXXIV	P12377	34	RNA34	Transcription	1	34	P12377	RNA34	1
RNA polymerase XXXV	P12378	34	RNA35	Transcription	1	34	P12378	RNA35	1
RNA polymerase XXXVI	P12379	34	RNA36	Transcription	1	34	P12379	RNA36	1
RNA polymerase XXXVII	P12380	34	RNA37	Transcription	1	34	P12380	RNA37	1
RNA polymerase XXXVIII	P12381	34	RNA38	Transcription	1	34	P12381	RNA38	1
RNA polymerase XXXIX	P12382	34	RNA39	Transcription	1	34	P12382	RNA39	1
RNA polymerase XL	P12383	34	RNA40	Transcription	1	34	P12383	RNA40	1
RNA polymerase XLI	P12384	34	RNA41	Transcription	1	34	P12384	RNA41	1
RNA polymerase XLII	P12385	34	RNA42	Transcription	1	34	P12385	RNA42	1
RNA polymerase XLIII	P12386	34	RNA43	Transcription	1	34	P12386	RNA43	1
RNA polymerase XLIV	P12387	34	RNA44	Transcription	1	34	P12387	RNA44	1
RNA polymerase XLV	P12388	34	RNA45	Transcription	1	34	P12388	RNA45	1
RNA polymerase XLVI	P12389	34	RNA46	Transcription	1	34	P12389	RNA46	1
RNA polymerase XLVII	P12390	34	RNA47	Transcription	1	34	P12390	RNA47	1
RNA polymerase XLVIII	P12391	34	RNA48	Transcription	1	34	P12391	RNA48	1
RNA polymerase XLIX	P12392	34	RNA49	Transcription	1	34	P12392	RNA49	1
RNA polymerase L	P12393	34	RNA50	Transcription	1	34	P12393	RNA50	1
RNA polymerase LI	P12394	34	RNA51	Transcription	1	34	P12394	RNA51	1
RNA polymerase LII	P12395	34	RNA52	Transcription	1	34	P12395	RNA52	1
RNA polymerase LIII	P12396	34	RNA53	Transcription	1	34	P12396	RNA53	1
RNA polymerase LIV	P12397	34	RNA54	Transcription	1	34	P12397	RNA54	1
RNA polymerase LV	P12398	34	RNA55	Transcription	1	34	P12398	RNA55	1
RNA polymerase LVI	P12399	34	RNA56	Transcription	1	34	P12399	RNA56	1
RNA polymerase LVII	P12400	34	RNA57	Transcription	1	34	P12400	RNA57	1
RNA polymerase LVIII	P12401	34	RNA58	Transcription	1	34	P12401	RNA58	1
RNA polymerase LIX	P12402	34	RNA59	Transcription	1	34	P12402	RNA59	1
RNA polymerase LX	P12403	34	RNA60	Transcription	1	34	P12403	RNA60	1
RNA polymerase LXI	P12404	34	RNA61	Transcription	1	34	P12404	RNA61	1
RNA polymerase LXII	P12405	34	RNA62	Transcription	1	34	P12405	RNA62	1
RNA polymerase LXIII	P12406	34	RNA63	Transcription	1	34	P12406	RNA63	1
RNA polymerase LXIV	P12407	34	RNA64	Transcription	1	34	P12407	RNA64	1
RNA polymerase LXV	P12408	34	RNA65	Transcription	1	34	P12408	RNA65	1
RNA polymerase LXVI	P12409	34	RNA66	Transcription	1	34	P12409	RNA66	1
RNA polymerase LXVII	P12410	34	RNA67	Transcription	1	34	P12410	RNA67	1
RNA polymerase LXVIII	P12411	34	RNA68	Transcription	1	34	P12411	RNA68	1
RNA polymerase LXIX	P12412	34	RNA69	Transcription	1	34	P12412	RNA69	1
RNA polymerase LXX	P12413	34	RNA70	Transcription	1	34	P12413	RNA70	1
RNA polymerase LXXI	P12414	34	RNA71	Transcription	1	34	P12414	RNA71	1
RNA polymerase LXXII	P12415	34	RNA72	Transcription	1	34	P12415	RNA72	1
RNA polymerase LXXIII	P12416	34	RNA73	Transcription	1	34	P12416	RNA73	1
RNA polymerase LXXIV	P12417	34	RNA74	Transcription	1	34	P12417	RNA74	1
RNA polymerase LXXV	P12418	34	RNA75	Transcription	1	34	P12418	RNA75	1
RNA polymerase LXXVI	P12419	34	RNA76	Transcription	1	34	P12419	RNA76	1
RNA polymerase LXXVII	P12420	34	RNA77	Transcription	1	34	P12420	RNA77	1
RNA polymerase LXXVIII	P12421	34	RNA78	Transcription	1	34	P12421	RNA78	1
RNA polymerase LXXIX	P12422	34	RNA79	Transcription	1	34	P12422	RNA79	1
RNA polymerase LXXX	P12423	34	RNA80	Transcription	1	34	P12423	RNA80	1
RNA polymerase LXXXI	P12424	34	RNA81	Transcription	1	34	P12424	RNA81	1
RNA polymerase LXXXII	P12425	34	RNA82	Transcription	1	34	P12425	RNA82	1
RNA polymerase LXXXIII	P12426	34	RNA83	Transcription	1	34	P12426	RNA83	1
RNA polymerase LXXXIV	P12427	34	RNA84	Transcription	1	34	P12427	RNA84	1
RNA polymerase LXXXV	P12428	34	RNA85	Transcription	1	34	P12428	RNA85	1
RNA polymerase LXXXVI	P12429	34	RNA86	Transcription	1	34	P12429	RNA86	1
RNA polymerase LXXXVII	P12430	34	RNA87	Transcription	1	34	P12430	RNA87	1
RNA polymerase LXXXVIII	P12431	34	RNA88	Transcription	1	34	P12431	RNA88	1
RNA polymerase LXXXIX	P12432	34	RNA89	Transcription	1	34	P12432	RNA89	1
RNA polymerase LXXXX	P12433	34	RNA90	Transcription	1	34	P12433	RNA90	1
RNA polymerase LXXXXI	P12434	34	RNA91	Transcription	1	34	P12434	RNA91	1
RNA polymerase LXXXXII	P12435	34	RNA92	Transcription	1	34	P12435	RNA92	1
RNA polymerase LXXXXIII	P12436	34	RNA93	Transcription	1	34	P12436	RNA93	1
RNA polymerase LXXXXIV	P12437	34	RNA94	Transcription	1	34	P12437	RNA94	1
RNA polymerase LXXXXV	P12438	34	RNA95	Transcription	1	34	P12438	RNA95	1
RNA polymerase LXXXXVI	P12439	34	RNA96	Transcription	1	34	P12439	RNA96	1
RNA polymerase LXXXXVII	P12440	34	RNA97	Transcription	1	34	P12440	RNA97	1
RNA polymerase LXXXXVIII	P12441	34	RNA98	Transcription	1	34	P12441	RNA98	1
RNA polymerase LXXXXIX	P12442	34	RNA99	Transcription	1	34	P12442	RNA99	1
RNA polymerase LXXXXX	P12443	34	RNA100	Transcription	1	34	P12443	RNA100	1

Protein Processing, Protein Transport and Protein Folding Molecule

24S ribosome subunit 24S	P12444	24	24S	Translation	1	24	P12444	24S	1
24S ribosome subunit 24S	P12445	24	24S	Translation	1	24	P12445	24S	1
24S ribosome subunit 24S	P12446	24	24S	Translation	1	24	P12446	24S	1
24S ribosome subunit 24S	P12447	24	24S	Translation	1	24	P12447	24S	1
24S ribosome subunit 24S	P12448	24	24S	Translation	1	24	P12448	24S	1
24S ribosome subunit 24S	P12449	24	24S	Translation	1	24	P12449	24S	1
24S ribosome subunit 24S	P12450	24	24S	Translation	1	24	P12450	24S	1
24S ribosome subunit 24S	P12451	24	24S	Translation	1	24	P12451	24S	1
24S ribosome subunit 24S	P12452	24	24S	Translation	1	24	P12452	24S	1
24S ribosome subunit 24S	P12453	24	24S	Translation	1	24	P12453	24S	1
24S ribosome subunit 24S	P12454	24	24S	Translation	1	24	P12454	24S	1
24S ribosome subunit 24S	P12455	24	24S	Translation	1	24	P12455	24S	1
24S ribosome subunit 24S	P12456	24	24S	Translation	1	24	P12456	24S	1
24S ribosome subunit 24S	P12457	24	24S	Translation	1	24	P12457	24S	1
24S ribosome subunit 24S	P12458	24	24S	Translation	1	24	P12458	24S	1
24S ribosome subunit 24S	P12459	24	24S	Translation	1	24	P12459	24S	1
24S ribosome subunit 24S	P12460	24	24S	Translation	1	24	P12460	24S	1
24S ribosome subunit 24S	P12461	24	24S	Translation	1	24	P12461	24S	1
24S ribosome subunit 24S	P12462	24	24S	Translation	1	24	P12462	24S	1
24S ribosome subunit 24S	P12463	24	24S	Translation	1	24	P12463	24S	1
24S ribosome subunit 24S	P12464	24	24S	Translation	1	24	P12464	24S	1
24S ribosome subunit 24S	P12465	24	24S	Translation	1	24	P12465	24S	1
24S ribosome subunit 24S	P12466	24	24S	Translation	1	24	P12466	24S	1
24S ribosome subunit 24S	P12467	24	24S	Translation	1	24	P12467	24S	1
24S ribosome subunit 24S	P12468	24	24S	Translation	1	24	P12468	24S	1
24S ribosome subunit 24S	P12469	24	24S	Translation	1	24	P12469	24S	1
24S ribosome subunit 24S	P12470	24	24S	Translation	1	24	P12470	24S	1
24S ribosome subunit 24S	P12471	24	24S	Translation	1	24	P12471	24S	1
24S ribosome subunit 24S	P12472	24	24S	Translation	1	24	P12472	24S	1
24S ribosome subunit 24S	P12473	24	24S	Translation	1	24	P12473	24S	1
24S ribosome subunit 24S	P12474	24	24S	Translation	1	24	P12474	24S	1
24S ribosome subunit 24S	P12475	24	24S	Translation	1	24	P12475	24S	1
24S ribosome subunit 24S	P12476	24	24S	Translation	1	24	P12476	24S	1
24S ribosome subunit 24S	P12477	24	24S	Translation	1	24	P12477	24S	1
24S ribosome subunit 24S	P12478	24	24S	Translation	1	24	P12478	24S	1
24S ribosome subunit 24S	P12479	24	24S	Translation	1	24	P12479	24S	1
24S ribosome subunit 24S	P12480	24	24S	Translation	1	24	P12480	24S	1
24S ribosome subunit 24S	P12481	24	24S	Translation	1	24	P12481	24S	1
24S ribosome subunit 24S	P12482	24	24S	Translation	1	24	P12482	24S	1
24S ribosome subunit 24S	P12483	24	24S	Translation	1	24	P12483	24S	1



Cytoadhesion (Prepares-Venue) Involved in Adhesion and Cell-Cell Interaction									
ADP-250 (actin-binding protein/filament)									
Alpactin	1	X33416	1	3.8	R	Asp (actin-related protein 3)	3	3.3	149.3
Actinin-1	1	X3661	1	4.2	R	Calcium-binding protein p57/101/175/177	2	23.7	150.8
Actinin-2	1	X17557	1	11.7	R	Calponin	1	5.2	R
Caldesmon	1	X33419	1	3.7	N4	CD44 glycoprotein	1	17.0	151.8
Cytokeratin-2	1	X17578	1	3.00	N42	Laminin receptor	1	4.1	R
Des-1	1	X55128	1	10.4	R	Leukocyte adhesion protein p150,95	2	5.2	R
HS96 core fibronectin (spikehead-2)	1	X31637	1	61.3	N43,R	MA3 R glycoprotein	2	19.2	152
alpha2-microglobulin associated protein	1	X33413	1	26.0	N44	Myosin heavy chain 1	1	7.3	R
W3-2	1	X37900	1	2.6	N45,R	FA2 endothelial gene	2	1.9	153
Pro-cadherin	1	X36640	1	60.1	N46	Tyrosin beta 4	1	2.4	154.3
Scaplinin	1	X36649	1	9.4	R				
Ryannin	1	X61868	1	27.7	N47,R				
Troponin-4	1	X33469	1	7.8	N48,R				
TRO-2/clustering	1	X64123	1	39.4	N49				
Vimentin	1	X52352	1	1.6	R				
Extracellular Proteins									
Collagen alpha1	1	X18219	1	22.3	R	MBP-1 (Collagenase)	1	100	155.8
Lysozyme (acidic) (acid)	1	X33416	1	17.3	N49,R	MBP-2 (Collagenase)	1	12.3	156.8
Matrilin-1	1	X33414	1	11.2	N50	MBP-3 (Collagenase)	1	33.8	R
Plasminogen (Fibrin)	1	X32243	1	3.3	R	MBP-4	2	2.4	157.8
Prothrombin	1	X33416	1	25	N51	Testis	1	8.3	158
Protein	1	X33416	1	49.4	N52				
Polysaccharide-related protein TBC-36	1	X33416	1	2.0	N53				
Protein	1	X33416	1	5.0	R				
Protein	1	X33416	1	3.2	R				
Protein	1	X33416	1	59.2	N54,R				
Protein	1	X33416	1	6.0	N55				
Protein	1	X33416	1	13.4	N56				
Protein	1	X33416	1	50.6	N57				
Protein	1	X33416	1	42.0	R				
Protein	1	X33416	1	18.3	N58,R				

FIG. 2C



Expressed Sequence Tags (ESTs)

[illegible]

**FIG. 2E**

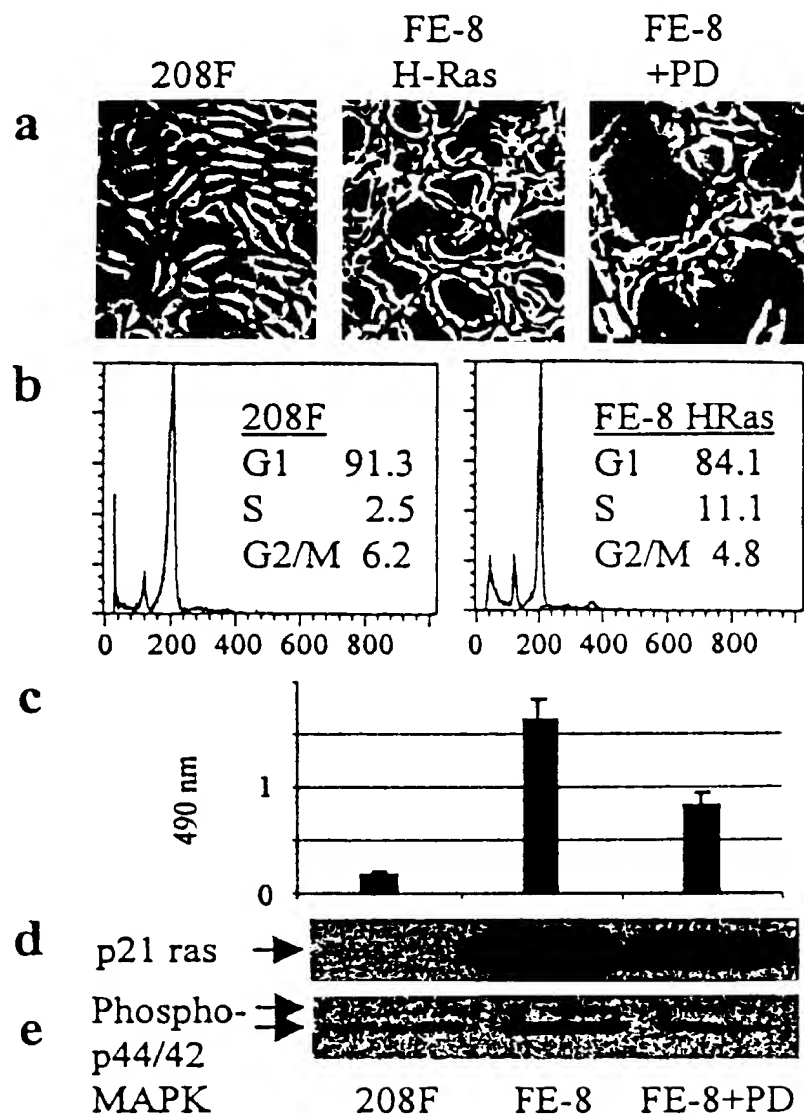
Sequence Identity (GenBank/EMBL)	Expression Strength			Sequence Identity (GenBank/EMBL)	Expression Strength		
	2089	458	FE8 -PD		2089	458	FE8 -PD
3-oxoacyl-CoA synthetase	++	+	++	Bleomycin hydrolase	+	+++	++
Abp-2b (actin binding protein/1.1a)	++	++	++	BRCA1-associated RING protein (Bard.)	0	++	-
Alpha-actin	++	+	++	EB-19A/Scl-2-binding protein (Naps)	0	+++	++
Antioxidant enzyme AOE31	++	+	+	Exportin	+	+++	++
APB6 (antennapodian-binding protein)	++	0	+	FER-1 (flap endonuclease-1)	0	+++	-
Arct2	++	0	++	FRP1 (T-cell-specific immunophilin)	0	+++	-
Centromere protein CENPC (a)	+++	0	+	FRP (FLNBP-like inhibitory protein)	0	++	0
Caldesmon alpha 1	+++	+	++	GEF-H1	0	+++	-
CENP-1 (cell cycle stimulating factor 1)	++	0	+	LAP10 (Carnitine associated polypeptide 1)	0	+++	0
CENP-2 (cell cycle stimulating factor 2)	++	0	++	NAM domain protein	0	+++	-
EBF1 transcription factor	+++	+	++	NAP-kinase phosphatase (Np21) (c)	0	+++	-
EBF2 transcription factor	+++	0	++	NAP-10 (Glucoylase-2) (d)	0	+++	0
EBF3 transcription factor	+++	+	++	NAP-3 (Stromelysin-1)	0	+++	0
Eukaryotic	++	+	++	Nyb-binding protein (Nyb)	-	+++	-
Exonuclease-related protein, ISO16	++	+	++	NF-1 transcription factor	0	++	0
FRP4 (antennapodian)	+++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++
FRP5 (antennapodian)	+++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
Heat shock protein 90	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
HSP core (Hsp90) (Hsp90-2)	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
Interferon induced gene	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
LA retrovirus (ORF2)	+++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
Laminin A1	++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++
Lysyl oxidase	++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
Lysyl oxidase-related protein (LOR-14)	++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
Maria gene	++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
MAP-2 (Gelatinase A)	+	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
miR33 (transcriptional activator)	++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++
Nuclear autoantigen GS2A	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
Osteonectin	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
P5 protein	++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++
P-cadherin	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
Proteinase-like protein (PILP)	++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
Serum inducible kinase (SIK)	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
STAT6 transcription factor	++	0	++	Nucleosomal endonuclease (NRE)	+	+++	++
Thrombospondin 1	++	0	+	Nucleosomal endonuclease (NRE)	+	+++	++
TM2-2 (inhibitor of metalloproteinase 2)	++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++
TRPM-2/clustering (b)	++	+	++	Nucleosomal endonuclease (NRE)	+	+++	++

FIG. 3

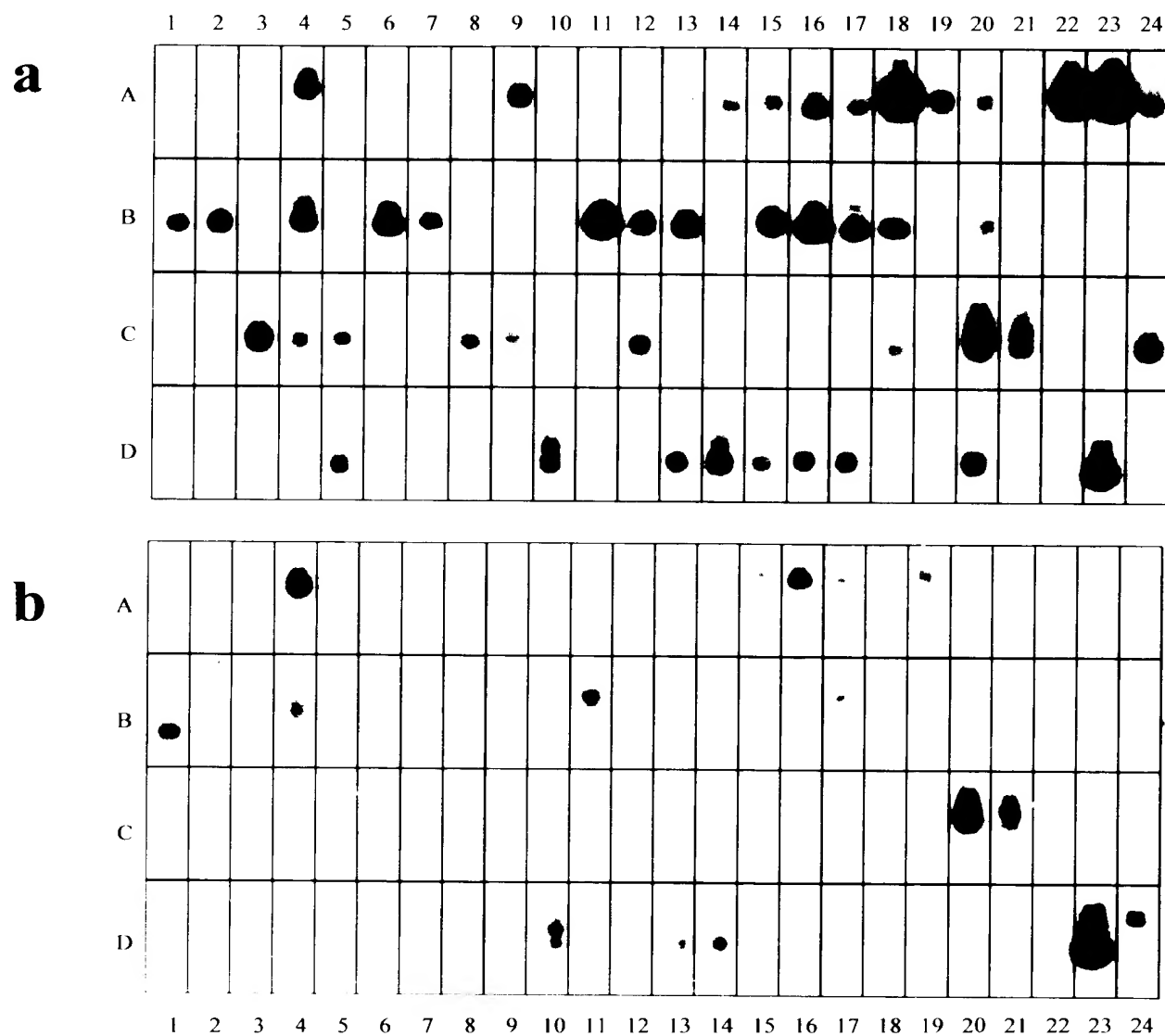


Sequence Identity (Genbank/EMBL)	Expression Strength			
	208F	FE-8 H-Ras	208F K-Ras	208F N-Ras
ABC transporter MOAT-B	0	++++	0	-
BRSC-1 (breast cancer suppressor candidate 1)	-	++++	0	-
Cyclooxygenase 1	+	++++	+	+++
E1B 19K Bcl-2-binding protein (Nip3)	0	++	++++	++
EST AA743537	+++	+	0	++
EST AA792426	+	++++	+	+
EST AA904000	+	++++	+	++
HTF IEA domain containing transcription factor	+++	0	+-	++
Paraoxyl pyrophosphate synthetase	+	+++	0	+
REN-1 (clap endonuclease-1)	0	++++	+	0
ELIS (ELICE-like inhibitory protein)	0	+	+-	+++
CAF1 protein tyrosine kinase 1	+	++++	+	+
MAGE-B gene cluster	0	++++	0	0
MAP-kinase phosphatase (mpg1)	0	++	+++	+++
MAHCKS	++++	0	+	+++
MMF-10 (Stromelysin 2)	0	++	++	++++
Nip-1 (f)	0	++++	+-	+
MTFEB (K-linked transcriptional activator)	++++	0	+	+
Myb-binding protein (P161)	+	++++	+-	++
novel transcript N317	+++	0	+-	+++
E-cadherin (p)	++++	0	0	++
Phosphatidylinositol 3-kinase p170	+++	0	+	++
Ras-GTPase-activating protein	0	++++	0	0
SRF1 phosphatase	0	++++	+	+
Serum inducible kinase (SNK) (h)	++++	0	+++	+++
Tyrosine phosphatase IA-2a (i)	0	++++	0	++

**FIG. 4**



**FIG. 5**



**FIG. 6**

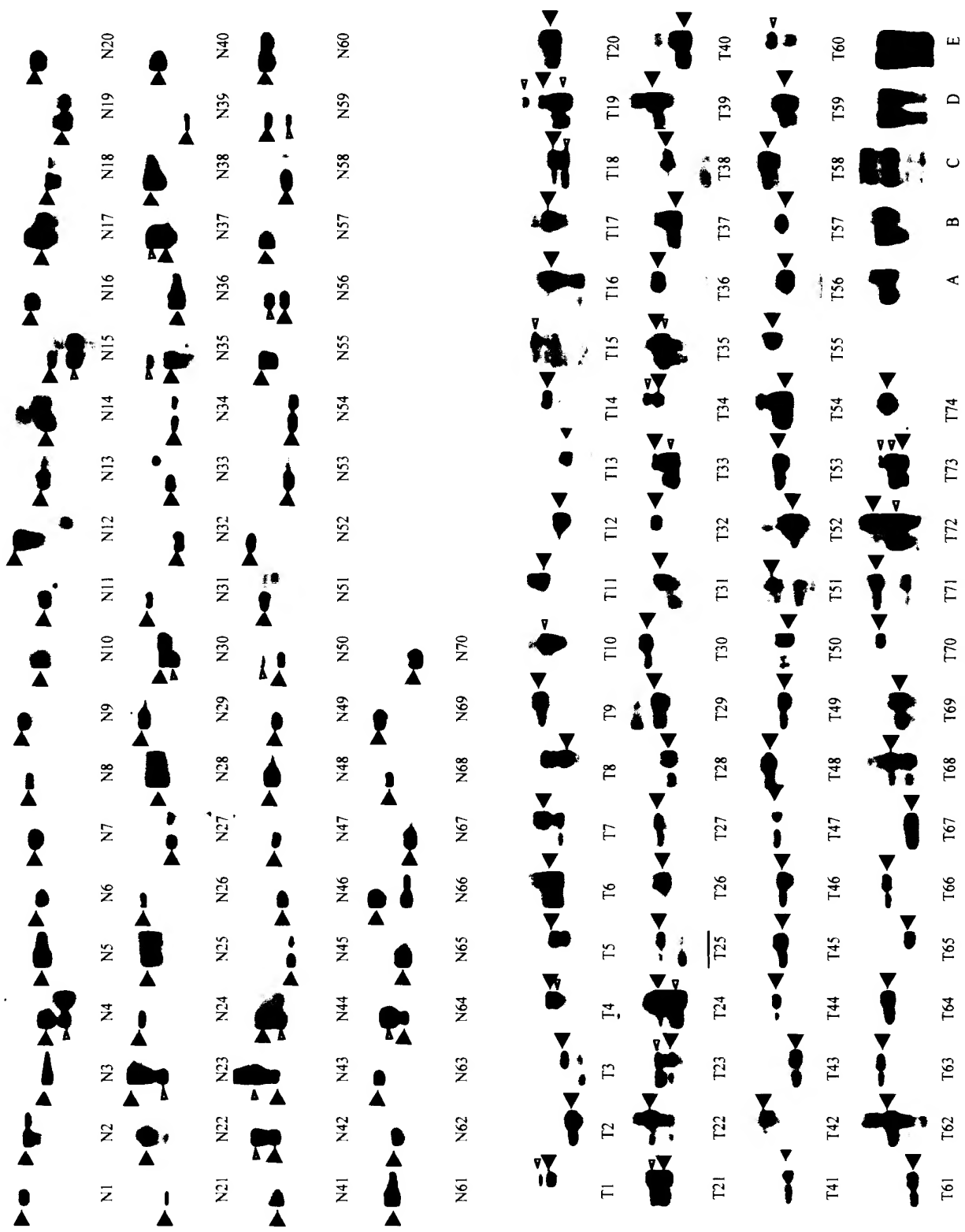
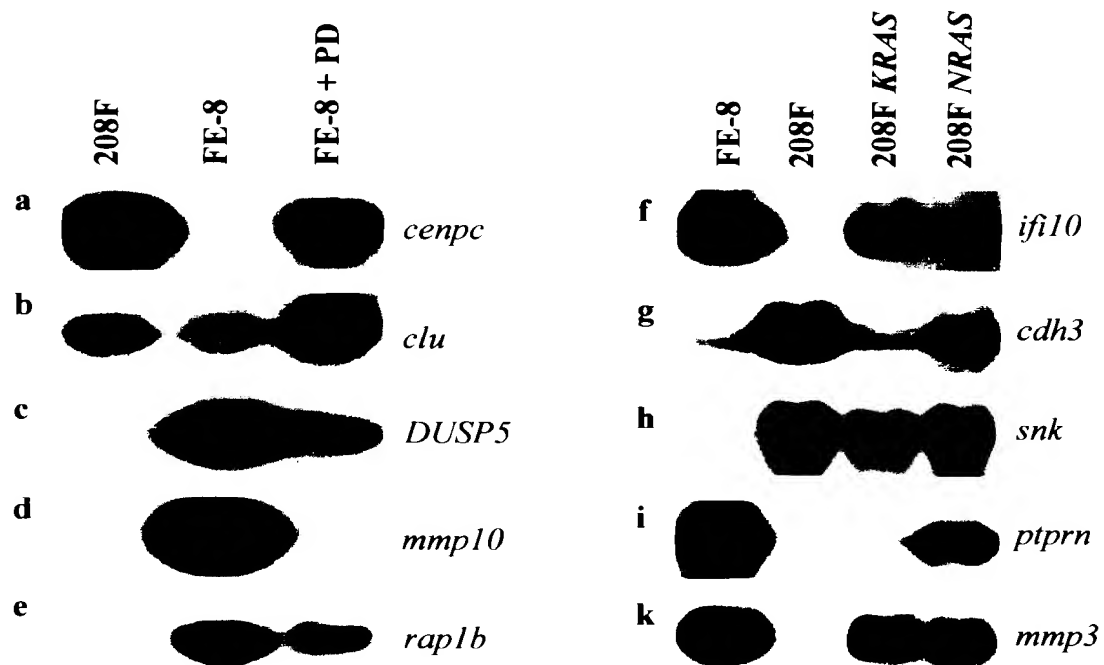
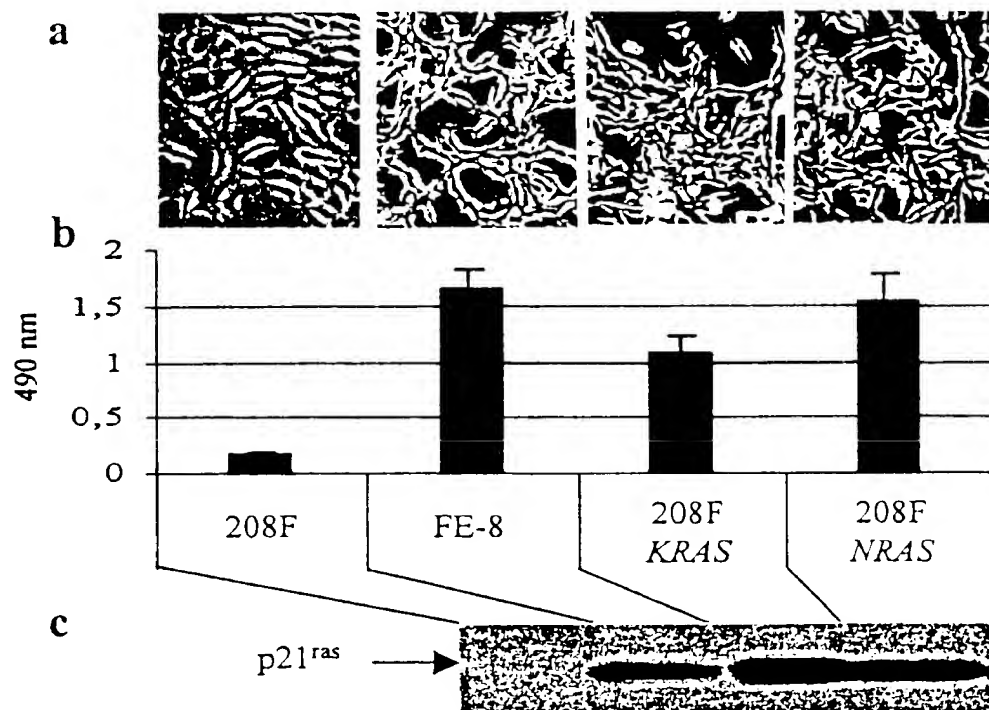


FIG. 7



**FIG. 8**



**FIG. 9**

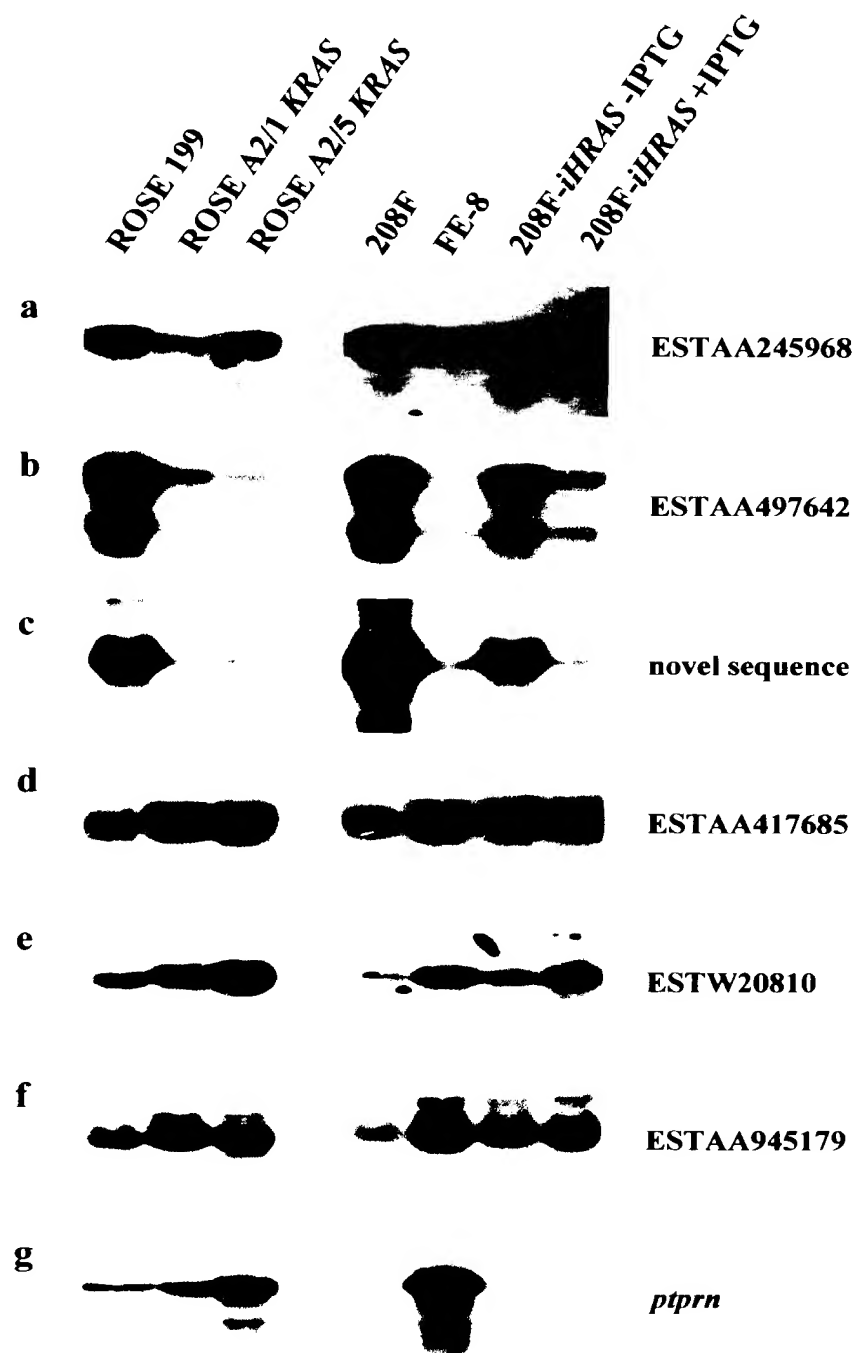


FIG. 10

1 T59  
2 T182  
3 T32  
4 T6  
5 T34  
6 N5  
7 N20  
8 N280  
9 N271  
10 N126  
11 T148  
12 N199  
13 T64  
14 N131  
15 T20  
16 T162  
17 T141  
18 N77  
19 N104  
20 T49  
21 T16  
22 N189  
23 N28  
24 T124  
25 T216  
26 T60  
27 T37  
28 T160  
29 N101  
30 N40  
31 T54  
32 T120  
33 N159  
34 T185  
35 N151  
36 T147  
37 N188  
38 T25  
39 T47  
40 T43  
41 T139  
42 T176  
43 N144  
44 T35  
45 T98  
46 T15  
47 T138  
48 N21  
49 T76  
50 T103  
51 T143  
52 T44  
53 N31  
54 T243  
55 N129  
56 T193  
57 T132  
58 T137  
59 T217  
60 T191  
61 N42  
62 T156  
63 T67

**FIG. 11**



64 N196  
65 T21  
66 N34  
67 N134  
68 T119  
69 N36  
70 N209  
71 N256  
72 T105  
73 T75  
74 T153  
75 T189  
76 T86  
77 T111  
78 T144  
79 N192  
80 N103  
81 N270  
82 N255  
83 N61  
84 N137  
85 T174  
86 N22  
87 T2  
88 T237  
89 T19  
90 N156  
91 N59  
92 N235  
92 N248  
92 N249  
92 N252  
92 N257  
93 T38  
94 T121  
95 N10  
96 T129  
97 T66  
98 T36  
99 T40  
100 N1  
101 N212  
102 T100  
103 N112  
104 N3  
105 N238  
106 T183  
107 T238  
108 T166  
109 N29  
110 T225  
111 N175  
112 N142  
113 T72  
114 N186  
115 T212  
116 T196  
117 T48  
118 N132  
119 N158  
120 T69  
121 N7  
122 T245

**FIG. 11A**

123 N102  
124 T208  
125 N44  
126 T203  
127 T215  
128 N293  
129 T226  
130 T253  
131 T222  
132 N264  
133 T240  
134 N70  
135 T125  
136 N253  
137 N234  
138 N53  
139 N202  
140 N82  
141 T45  
142 T118  
143 T10  
144 N71  
145 N193  
146 N165  
147 N213  
148 N35  
149 N182  
150 N43  
151 N75  
152 T163  
153 T89  
154 N11  
155 N32  
156 T50  
157 N215  
158 N242  
159 N181  
160 N48  
161 T227  
162 N149  
163 N109  
164 N260  
165 T219  
166 T61  
167 N85  
168 N45  
169 T250  
170 N261  
171 T172  
172 N62  
173 N160  
174 N154  
175 N58  
176 T232  
177 N128  
178 N79  
179 T58  
180 N30  
181 T68  
182 T244  
183 T251  
184 T96  
185 N26

**FIG. 11B**

184 N14  
185 N121  
186 T17  
187 T3  
188 T117  
189 T14  
190 T73  
191 N4  
192 N289  
193 T239  
194 T170  
195 T146  
196 N17  
197 T235  
198 N74  
199 N12  
200 T211  
201 T186  
201 T204  
202 N50  
203 N116  
204 T223  
205 N198  
206 N267  
207 T133  
208 T80  
209 N213  
210 N266  
211 T224  
212 N143  
213 N103  
214 N263  
215 N250  
216 N92  
217 N152  
218 T11  
219 T159  
220 N243  
221 N78  
222 T116  
223 T27  
224 N207  
225 T31  
226 N38  
227 N163  
228 N81  
229 T94  
230 N228  
231 N80  
232 T230  
233 T188  
234 N180  
235 N187  
236 N136  
237 N294  
238 N275  
239 N65  
240 N89  
241 N125  
242 N205  
243 N39  
244 N13  
245 T48

**FIG. 11C**

246 T100  
247 T223  
248 N104  
249 N35  
250 T245  
251 N32  
252 T62  
253 N125  
254 N180  
255 N22  
256 T61  
257 T125  
258 T174  
259 T36  
260 T19  
261 T204  
262 T153  
263 T27  
264 T212  
265 T159  
266 T226  
267 T239  
268 N263  
269 T66  
270 N75  
271 N250  
272 T175  
273 N283  
274 T40  
275 N152  
276 N256  
277 N28  
278 T160  
279 T82  
280 N122  
281 T170  
282 N44  
283 N19  
284 T103  
285 N126  
286 N55  
287 T42  
288 T34  
289 N159  
290 N21  
291 N154  
292 N80  
293 T189  
294 T17  
295 T68  
296 T14  
297 T146  
298 T120  
299 N181  
300 N192  
301 T109  
302 N215  
303 T244  
303 T251  
304 T96  
305 T211  
306 T243  
307 N218

**FIG. 11D**

308	T224
309	T94
310	T183
311	N294
312	T191
313	T88
314	T9
315	N204
316	N175
317	N129
318	T141
319	N188
320	N209
321	T111
322	T144
323	N213
324	N109
325	N62
326	T235
327	N199
328	N148
329	N78
330	T116
331	N46
332	N49
333	N51
334	N52
335	T26

**FIG. 11E**